Project Work Order Approval – Professional Engineering Services for LTP Aeration Basins Improvements Alternatives Evaluation and Engineering Design Services with Kennedy/Jenks Consultants Inc.

Tetyana Mokvyts, Water Reuse Engineer Contract Review Subcommittee January 13, 2022





Today's Presentation

- Project Background
- Aeration Basins Improvements
- The RFP Process
- Selection Justification
- Staff Recommendation



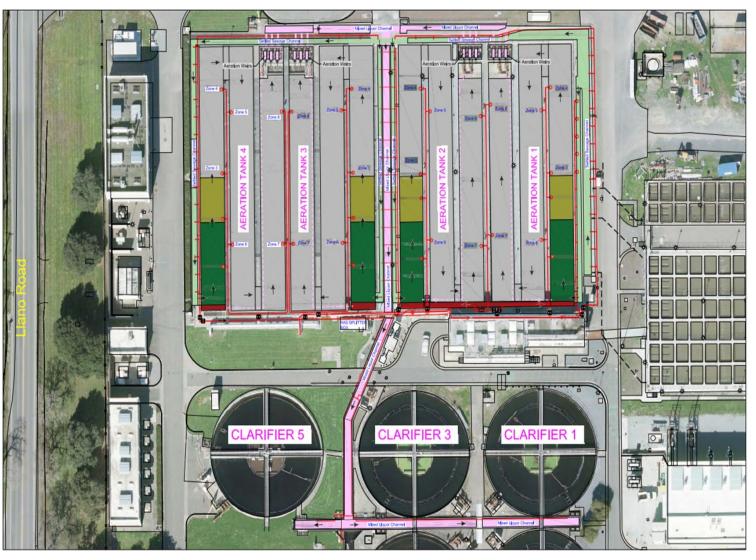
Project Background

- Leakage in aeration header and basins discovered November 2020
- The project split in two phases
 - Aeration Header
 - Aeration Basins
- Initiated design of aeration header March 2021 with Kennedy Jenks On Call Contract
- Severe leakage discovered September 2021
- Temporary above ground aeration piping construction November 2021



Aeration Basins Improvements

- Spring 2022 Dewatering and Bypass Pumping Work Plan
- Summer/Fall 2022 –
 Contractor to install bypass
 pumping system and clean
 channels
- Spring 2023 Condition Assessment
- Summer 2023 Fall 2024 -Design
- 2025 2026 Construction



The RFP Process

- Request for Proposals under Professional Services Agreement issued on August 16, 2021
- Five hundred twenty-two (522) firms notified
- Extended deadline from September 27 until November 1, 2021
- One proposal from Kennedy Jenks Consultants received on November 1, 2021

REQUEST FOR PROPOSALS

WATER SYSTEM RELIABILITY STUDY UNDER PROFESSIONAL SERVICES AGREEMENT

I. Instructions

The City of Santa Rosa is seeking proposals from qualified firms to conduct a Water System Reliability Study on the City of Santa Rosa's distribution system under a Professional Services Agreement (PSA).

To be considered, the proposal and the cost proposal must be submitted by the following method by the due date:

- A PDF file via email to the contact person listed below (with cost and fee proposal in a separate PDF file), and
- Four (4) hard copies of the proposal (with cost and fee proposal in a separate sealed envelope) to:

Mark Kasraie, PE | Associate Civil Engineer City of Santa Rosa | Santa Rosa Water 69 Stony Circle | Santa Rosa, CA, 95401 (707) 543-3857 | mkasraie@srcity.org

II. Background

The Tubbs Fire, which began Sunday October 8, 2017, spread rapidly through Sonoma County causing significant damage to the City of Santa Rosa's Fountaingrove and Coffey Park Neighborhoods. As the fire spread through the Fountaingrove area, operation of the water system was most impacted by three main factors:

- Extreme water demand due to the destructive effects of the fire, which were many times higher than typical conditions.
- Partial loss of real-time information provided by the Supervisory Control and Data Acquisition (SCADA) system. This system provides operators the ability to monitor the system and to understand the water tank levels, system pressures, and the flow rates.
- The inability to immediately access and close openly flowing appurtenances and inability to access, assess, and operate critical facilities due to safety concerns.

To better understand how the water system responded during the event, the City contracted with Black & Veatch to perform a focused evaluation of the City's water system within the Fountaingrove area during the Tubbs Fire. See Attachment 1 for the Report: Evaluation of the Water System's Response in Fountaingrove to the October 2017 Fire.

> Page 1 of 5 Revision Date 3/8/17

Selection Justification

- Review panel
 - Deputy Director Regional Water Reuse Treatment Plant Superintendent Associate Civil Engineer
- The proposal evaluated based on
 - Responsiveness
 - Qualification
 - Project understanding
- Consultant demonstrated prior expertise with aeration system rehabilitation
- Fee estimate reviewed and determined reasonable for the proposed scope of work



Recommendation

It is recommended by the Water Department that the Contract Review Subcommittee recommend that the Board of Public Utilities approve a Project Work Order (PWO) with Kennedy/Jenks Consultants Inc. to provide professional engineering services for the LTP Aeration Basins Improvements Project in the amount not to exceed \$1,019,739.00.